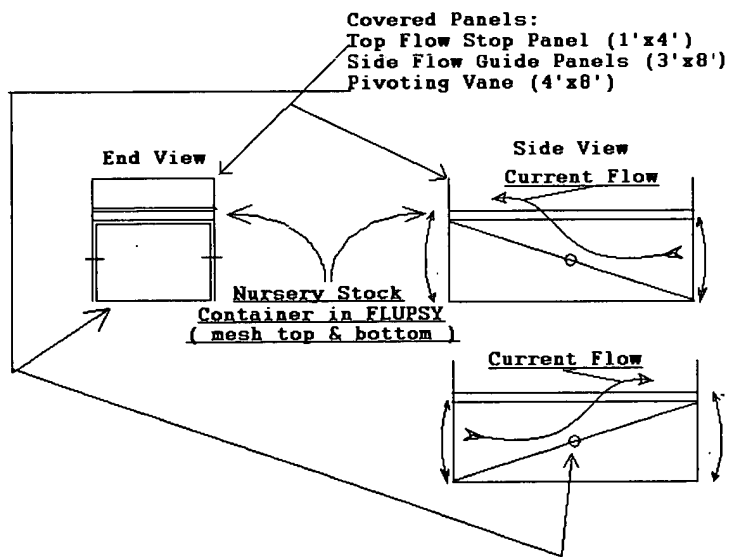




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FIG. 1 – FLUPSY (Floating Upweller System)

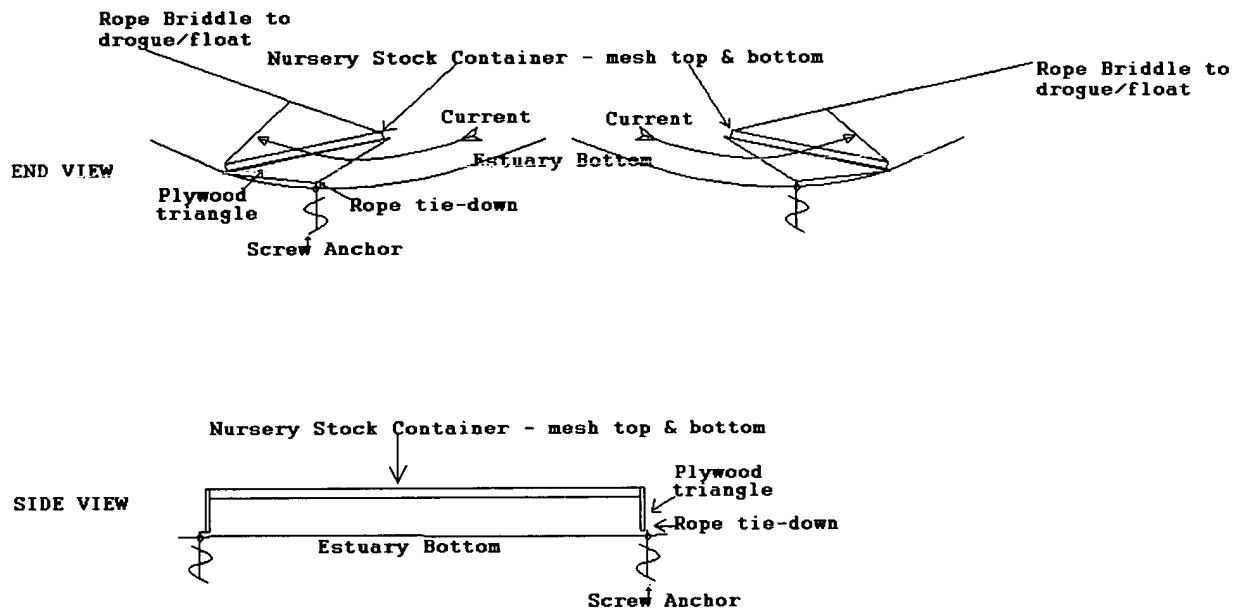




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FIG. 2 – BUPSY (Bottom Upweller System)





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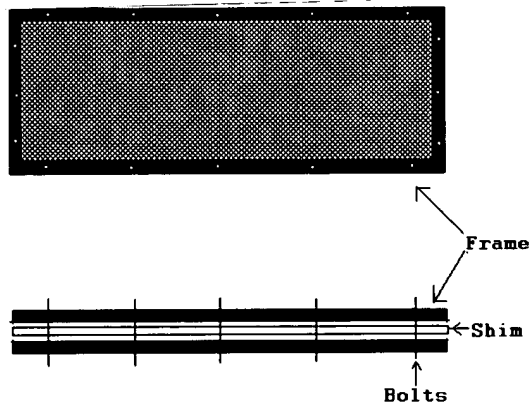
FIG. 3 - Nursery Stock Container

Provisional Patent Application

TOP VIEW - Two ridged frames, each covered with mesh (sized to retain shellfish), bolted together.

The frames are seperated with a combination of ridged and compressible (closed cell foam) shims so that the shellfish are gently but securely held by the assembly.

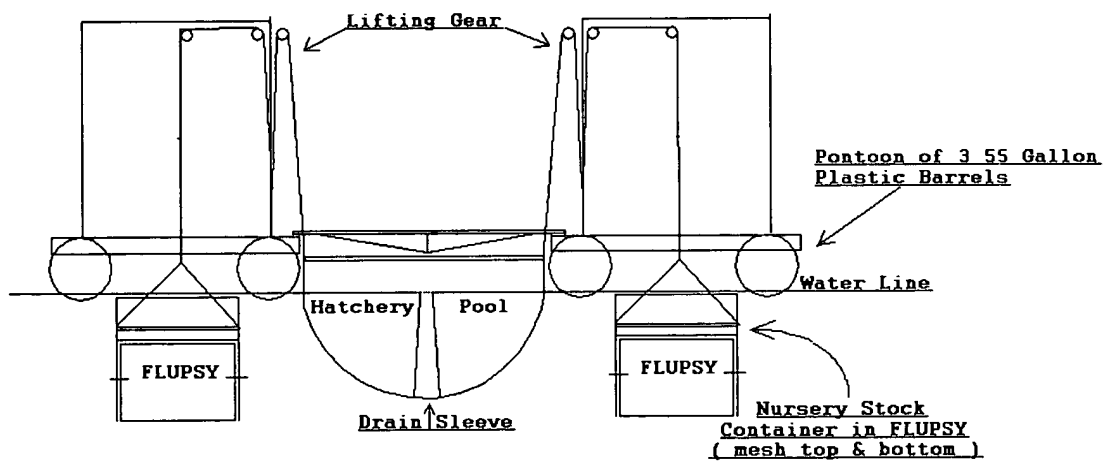
SIDE VIEW





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FIG. 4 - End View of
Spawntoon

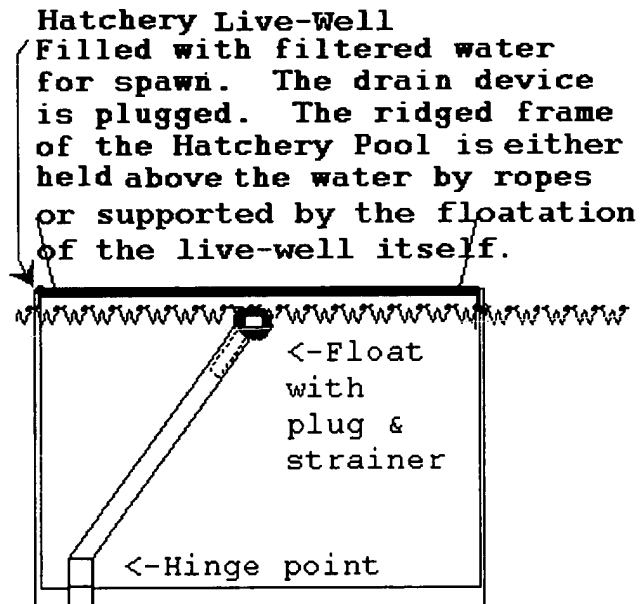




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FIG. 5 – Drain Device for floating hatchery live-well

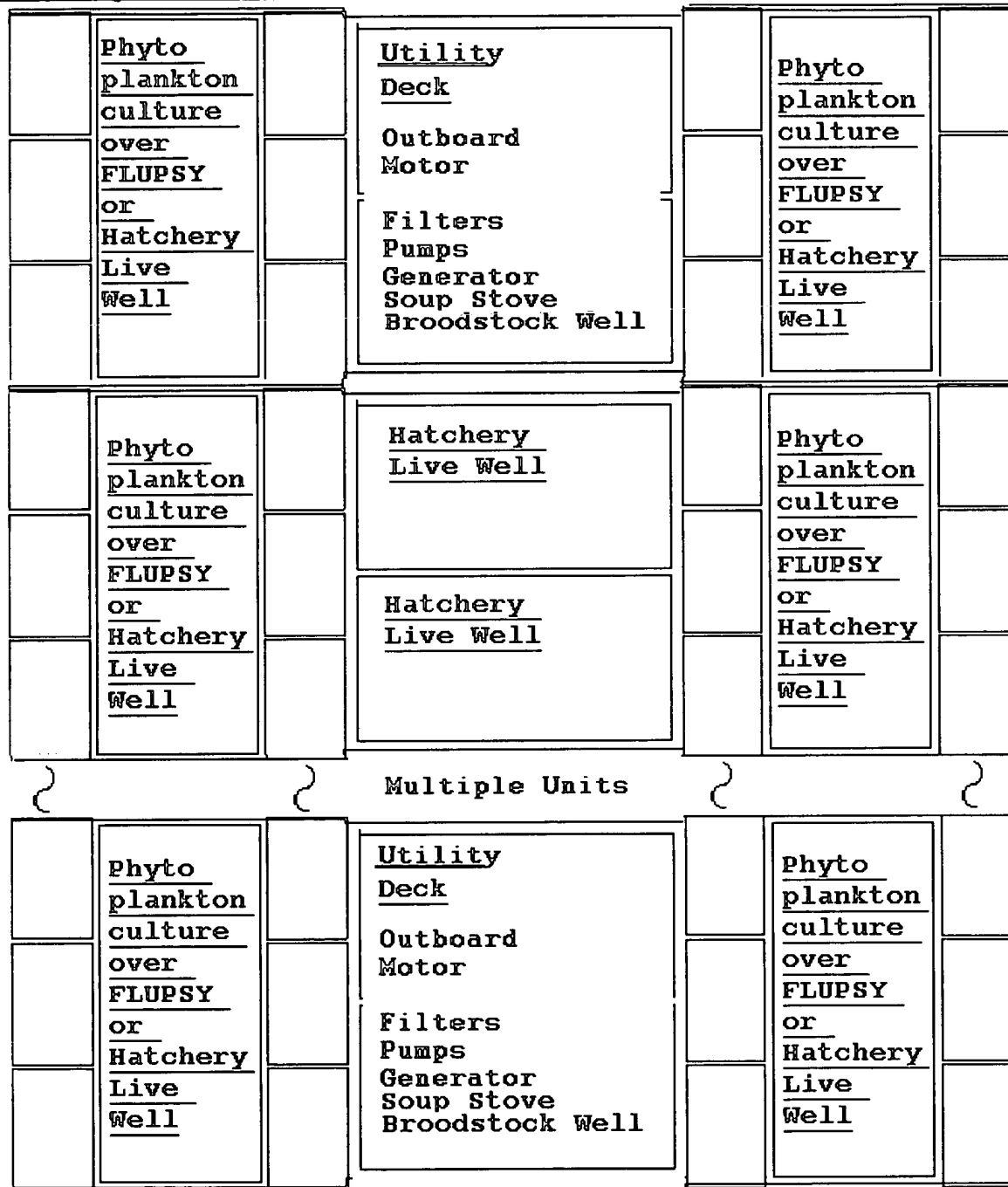




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FIG. 6 – SpawnToon Motorboat "The Mama Cass Ostrea"





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FIG. 7 – Phytoplankton Culture: Culture Bag w/fittings, Stretcher resting on two pontoons

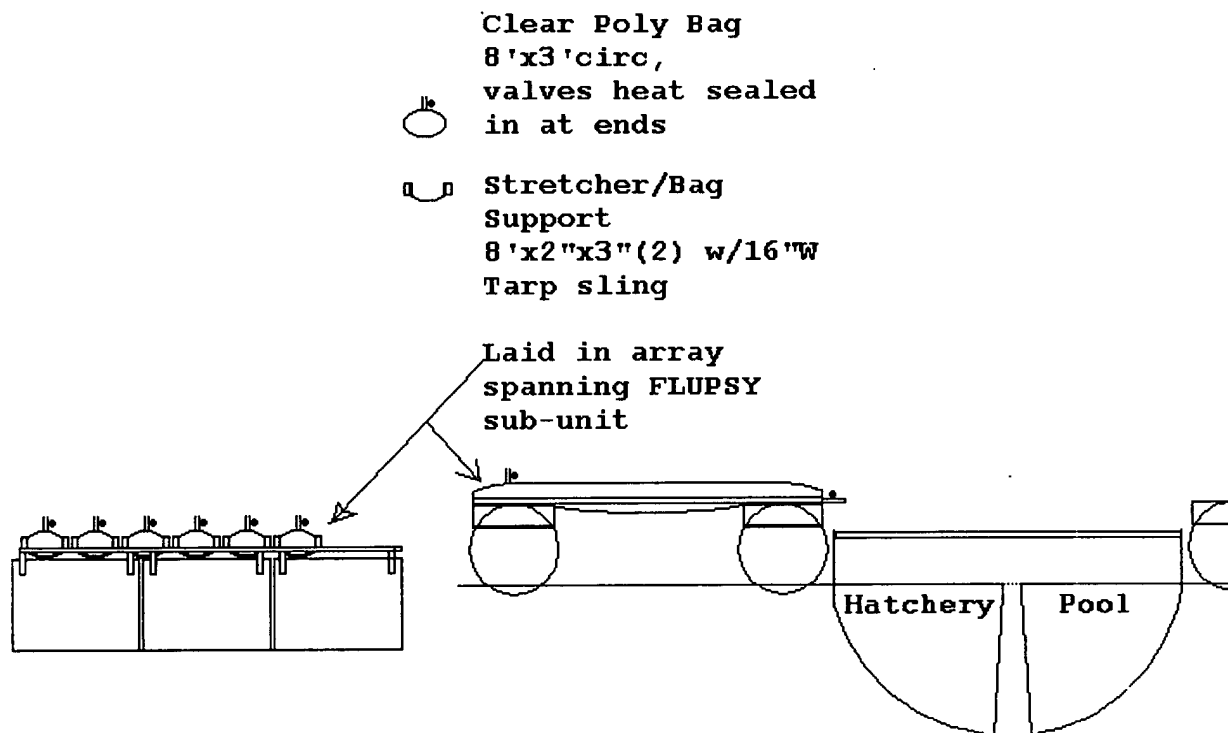
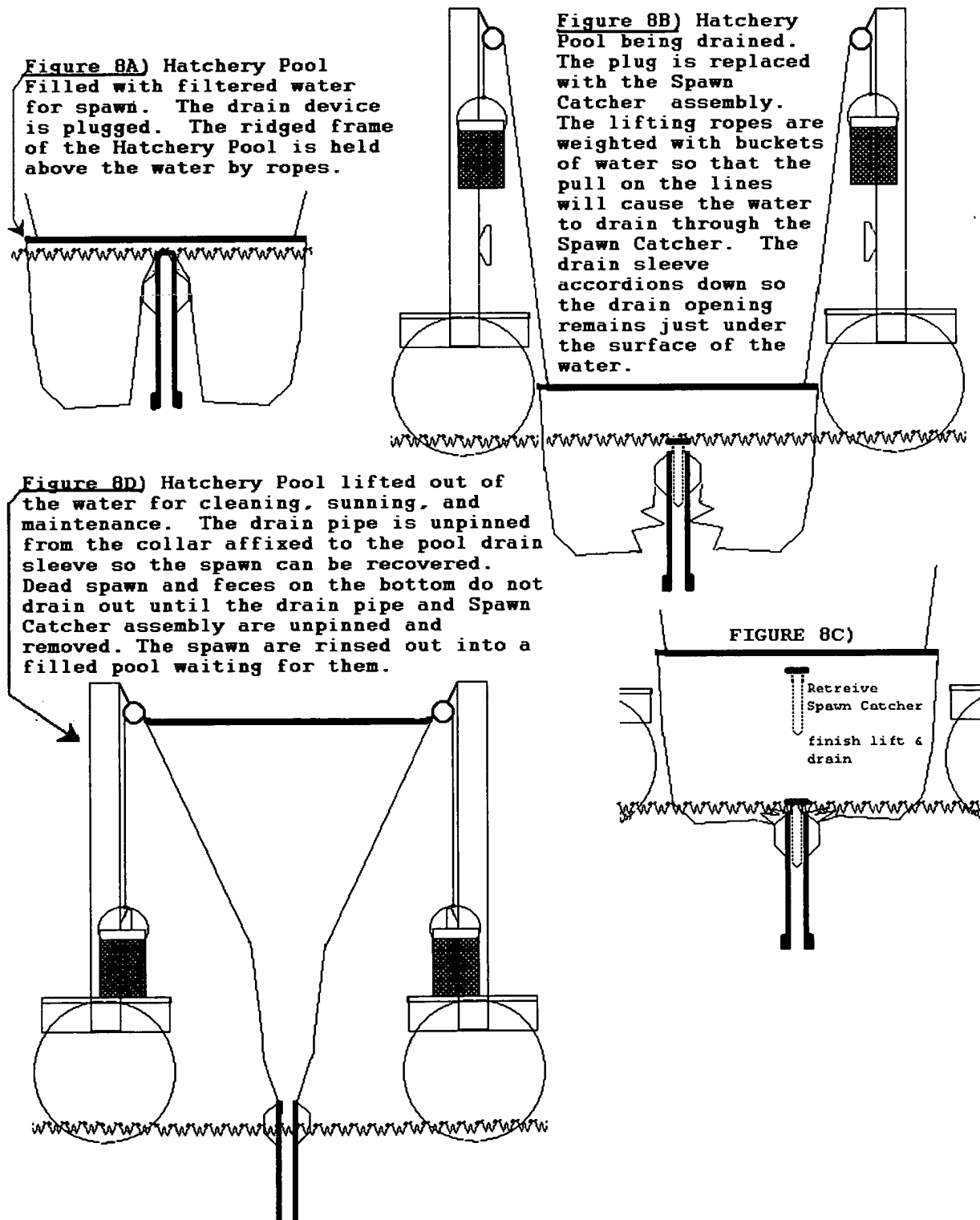


FIG. 8 – Hatchery Live Well Drain-Sleeve and Spawn Catcher





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FIG. 9 - Outboard Motor Mount (with DAVIS NOZZLE) slung underneath SpawnToon deck,
Profile of the Tubular Shroud surrounding the propeller and bolted to the cavitation plate

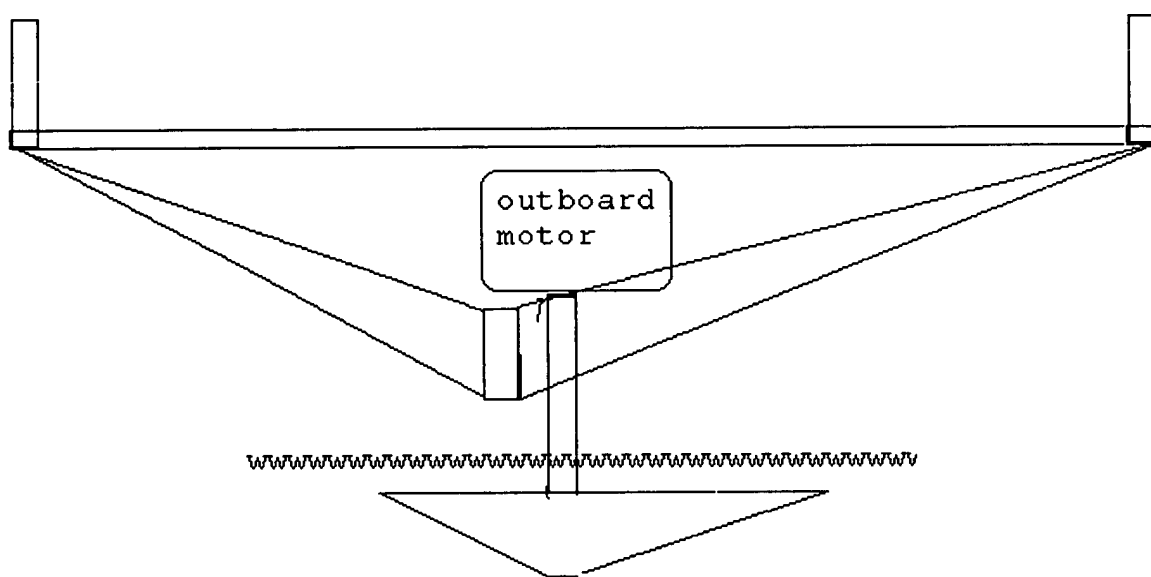
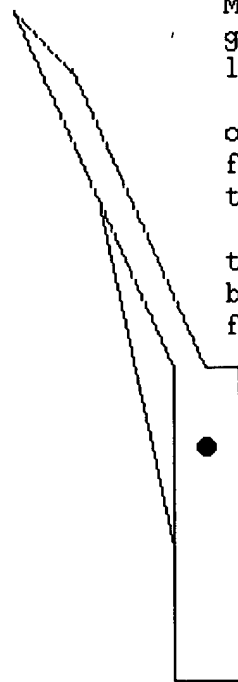




FIG. 10 - Davis Harpoon anchor

Figure 10) DAVIS HARPOON ANCHOR



Made from 2 inch dia.
galvanized pipe 36 inches
long

one half the pipe is cut
from one half the length
to form a trough

the trough portion is
bent outward and cut to
form a point on the end

a bolt for
attaching the
anchor line is
placed in tube

anchor is washed
into place much
like a piling or
bulkheading



Figure 11 A) TWWELLER : side view

Two Way Upweller/Downweller Shellfish Growing Device

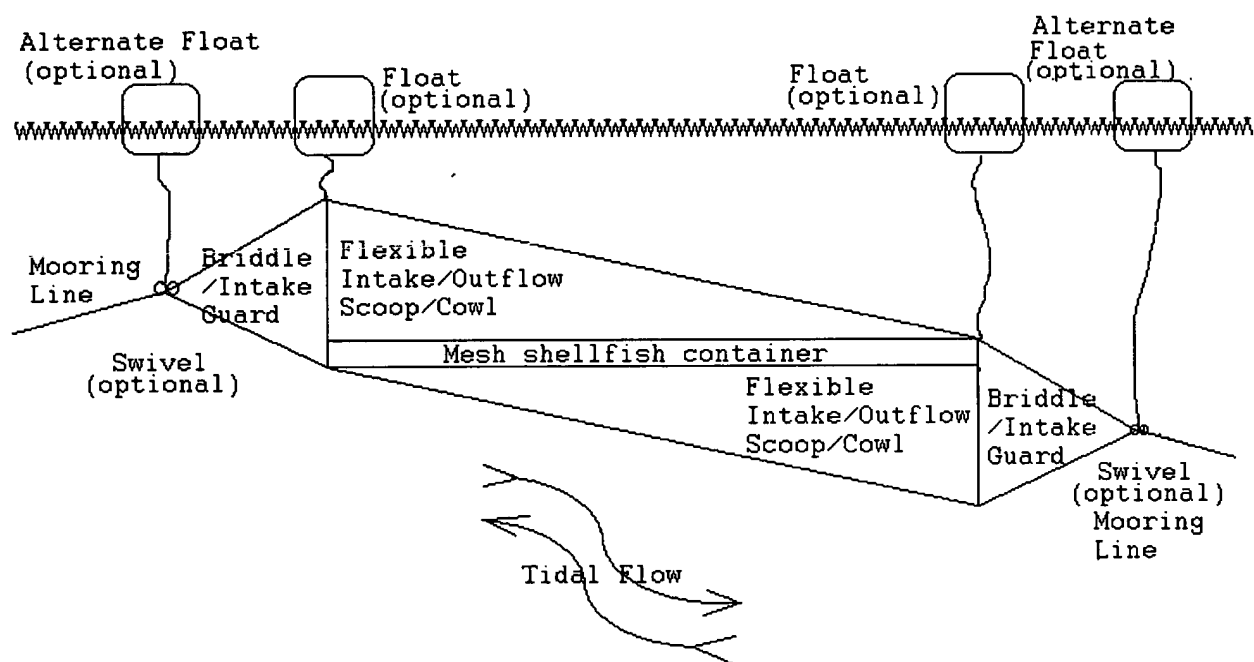


FIGURE 11 B) TWWELLER: end view

Rotating Option
on swiveled mooring

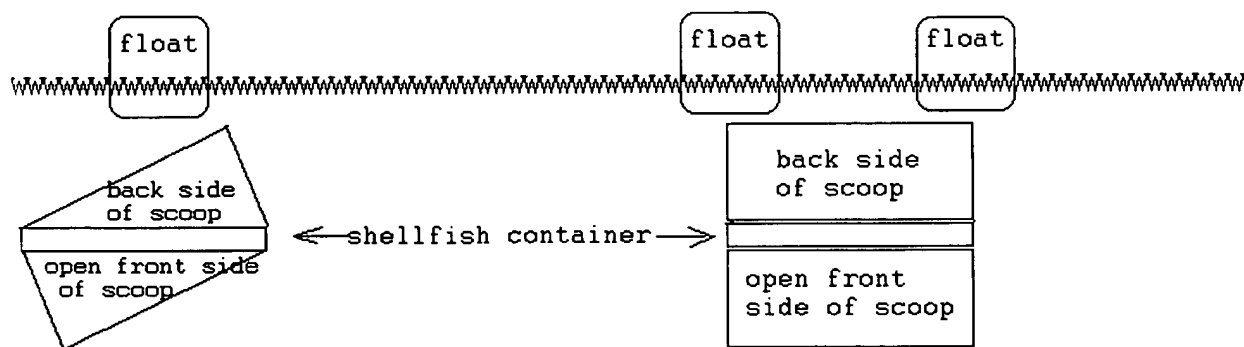


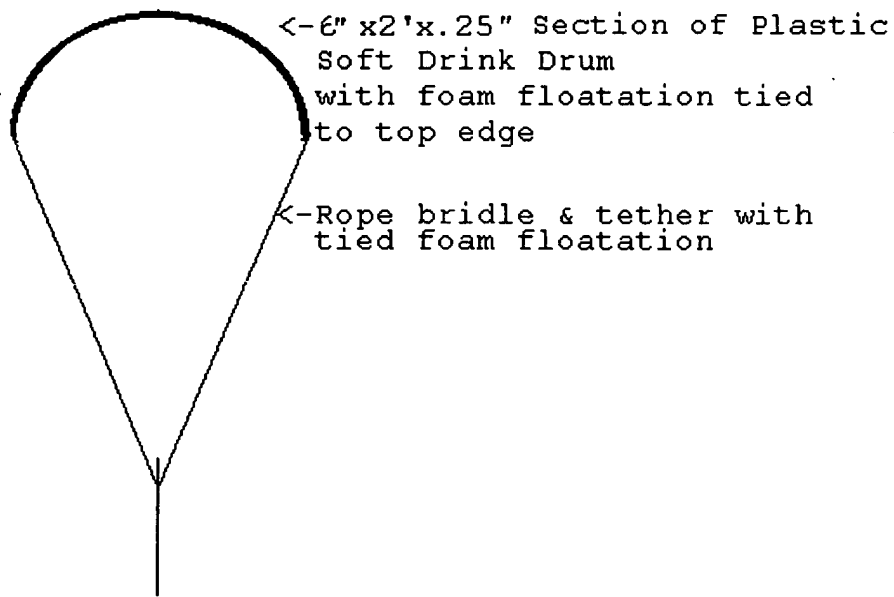
FIG. 11 - TWWELLER



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FIG. 12 – Float-Drogue

Figure 12) Float-Drogue

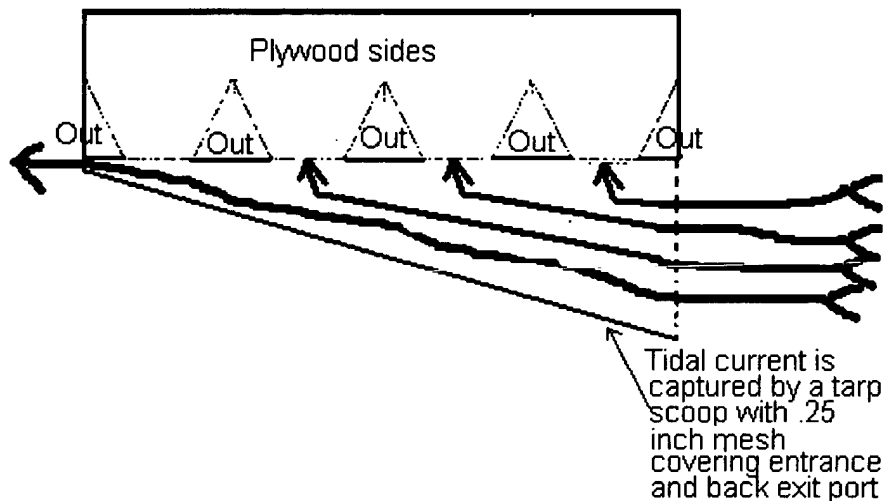




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FIG. 13 Grounding Tolerant FLUPSY scoop of CLAIM 9 servicing a crenellated Marsupium.
Side View

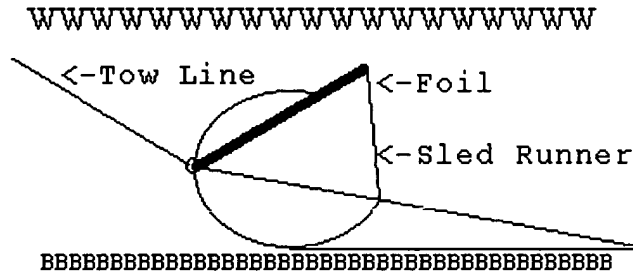


Water out through triangular ports in the side
after passing through a 38 micron mesh crenallation panel
Plywood panel separates inbound water from outbound
water in the crenallation



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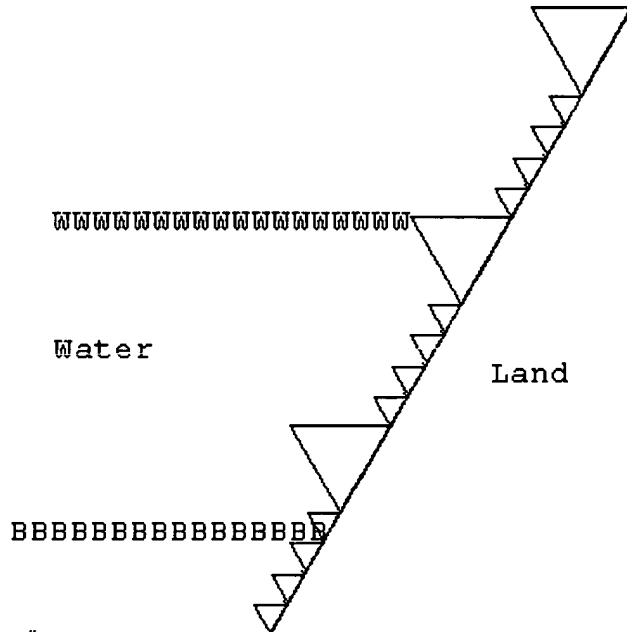
FIG. 14 – Resuspension Drag Foil of CLAIM 17





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FIG. 15 – Waffle Bulkhead



[illegible]


```

      ^
      |
      |  Floatation
      |  Light Strongback & Clasp
      |  v
  <-Current<-  <-Current<-
  Mesh Shellfish Envelope-> <-Sand Bag Anchor
  BBBBBBBBBBBBBBBBBBBBBBBBBBBB BB BBBBBBBBBBBBBBBBBB
      |
      |  Scour Pit

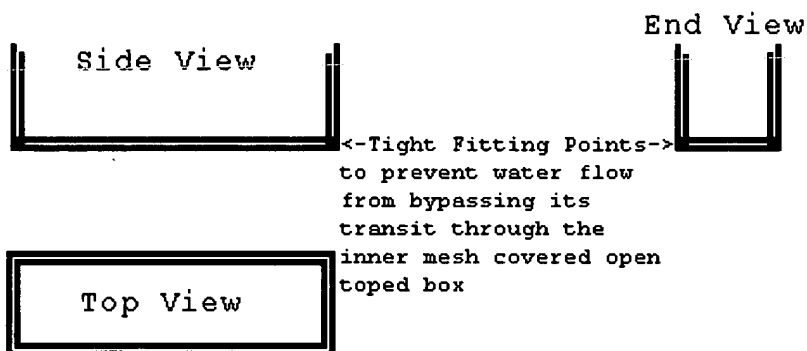
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FIG. 18 – Shellfish Hatchery-Nursery Container of CLAIM 16: Set of two nested open top
Self Cleaning screen set of CLAIM 7 used by the Marsupium

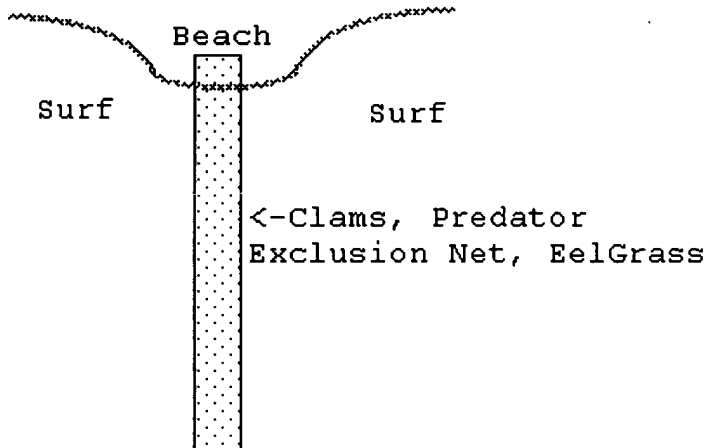




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FIG. 19 – Shellfish:SAV Polyculture Groin and Breakwater Substitute of CLAIM 18





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FIG. 20 Foil Array of CLAIM 10 used for current powered directional sediment
Transport

